

CUWA – September 1996 Solicitation

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|--|--------------------------|---|-----------|--|
| Sherman Island Levee Habitat Demonstration Project | DWR RD 341 | Construct 2.5-acre in-channel island using dredge material stored on Sherman Island. | \$960,000 | Design complete; need permits. Applicants looking for additional funding. |
| Predicting the Evolution of Ecological Functions from Restoration of Diked Wetlands in the Delta | University of Washington | Two-year study will compare both naturally- and artificially-breached diked wetland sites to evaluate the rate, pattern, and long-term success of breached-dike restoration (as compared to natural marsh sites). | \$575,172 | Additional \$100,172 to increase field work and include an element for bird habitat. Project 93% complete. |
| Yolo Bypass Habitat Restoration Study | DWR | Study to provide data and technical recommendations on Bypass modifications, due to strong evidence of mortality to salmon and other species from stranding. | \$226,000 | Project is complete. Final report pending. |
| Decker Island Tidal Wetland Enhancement Pilot Project | Port of Sacramento | Establish 35-40 acres of tidal wetland on Decker Island, and improve habitat on the remainder of the 70-acre site. | \$399,000 | Funding terminated. |
| Inventory of Rearing Habitat for Juvenile Salmon in the North Delta and Lower Sacramento and Cosumnes Rivers | CSU Sacramento | Conduct a survey of rearing habitat for juvenile salmon in the North Delta. | \$24,500 | Project complete Nov-99. Final report available. |

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| Prospect Island Habitat Restoration Project | Corps of Engineers DWR | Purchase Prospect Island and restore 1,300 acres of shallow water, tidal wetland, and aquatic habitat. (The \$2.5 million in Category III funds consists of \$1.25 million for construction of the project and \$1.25 for long-term operations and maintenance.) | \$2,500,000 | Project being revised; environmental document to be revised and recirculated.. |
| Prospect Island Monitoring Plan | DWR | Develop post-project monitoring plan for the Prospect Island project. | \$35,000 | Project is complete. |
| Introduction of Non-Indigenous Aquatic Species Research Program | San Francisco Estuary Institute | Develop regional monitoring program to provide early warning for eradication. Public outreach on ballast water invasions. Examine post-invasion control mechanisms. | \$197,000 | Project is complete. |
| Cosumnes River Preserve Acquisition | The Nature Conservancy | Acquire 4,356-acre Valensin Ranch property. | \$12,000,000 | Project is complete. (Escrow closed Dec-96.) |

CALFED – July 1997 Solicitation

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|--|------------------------------|---|----------------|---|
| Hastings Tract Fish Screen Feasibility Study | Hastings Island Land Company | Feasibility Report on the installation of fish screens on gravity intake pipes and the relocation of the pipes from Cache Slough to Lindsey Slough. | \$27,000 | Final contract pending approval by applicant. |

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| Monitoring of Delta Contaminants | DeltaKeeper | One-year pilot study to establish baseline toxicity data at 12-14 sites throughout the Delta and east-side tributaries. | \$100,000 | Contract signed Sept-98. Project underway. |
| Effects of Wetlands Restoration on Methyl Mercury Production | U.C. Davis | Yield baseline data quantifying the levels of methyl mercury production from diked and reflooded wetlands. | \$546,171 | Contract signed Sept-98. Project underway; first year summary report complete. |
| Sedimentation Movement and Availability in the Delta | U.S. Geological Survey | Monitor sediment transport at several sites to describe the movement of the sediment needed for habitat restoration. | \$1,047,010 | Project underway. Contract extended to June 30, 2001. |
| Contaminant Effects on Smelt | U.C. Davis | Two-year study will evaluate contaminant effects on smelt by quantifying the overall health, condition, and growth rate of smelt collected from various sites. | \$437,236 | Contract signed Nov-98. Project underway. |
| Jepson Prairie Preserve Restoration | Solano County Farmlands and Open Space Fdn. | Three-year program will restore shaded riverine aquatic habitat along portions of Barker Slough and Calhoun Cut, restore perennial grasslands, and design a habitat corridor connecting the Preserve to Prospect Island. | \$244,801 | Contract signed Jan-99. Plans complete; restoration underway. Contract extended to Sept-02, approved for additional \$48,000. |
| Demonstration Project for Protection and Enhancement of In-Channel Islands | Association of Bay Area Governments. | First phase (design) funded. Design four small restoration areas (Little Tinsley Island and Webb Tract Islands). | \$270,270 | Design complete. Phase II funding approved Jan-01. |

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| Liberty Island Acquisition | Trust for Public Land (for USFWS) | Acquire 4,750-acre Liberty Island. | \$8,577,000 | Project is complete. Property acquired Sept-99. |
| Franks Tract Recreation Area Wetlands Habitat Enhancement | Moffat & Nichol Engineers DPR DWR | First phase (design and environmental documen-tation) funded. Design four demonstration islands along Piper Slough to restore 45 acres of perennial aquatic habitat, shaded riverine aquatic habitat, and channel island and shoal habitat. | \$231,500 | Initial Neg Dec circulated 6/99. Budget amendments for \$16,500 approved 11/99 and \$75,186 approved in 3/00. Design 30% complete. |

CALFED – July 1997 Solicitation, cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|--|--|--|----------------|----------------------|
| Tyler Island Levee Protection and Habitat Restoration Pilot Project | Habitat Assessmt. & Restoration Team, Inc. | Create/enhance shaded riverine aquatic and tidal perennial aquatic habitat along 2,000 feet of Georgiana Slough and along 3,000 feet of the North Fork of the Mokelumne River. | \$885,202 | Project is complete. |
| Cosumnes River Preserve Start-Up Stewardship and Restoration (see "Cosumnes Floodplain Acquisition and Restoration" [pg. 3]) | The Nature Conservancy | Conduct baseline monitoring of vegetation, wildlife, avian, and fish resources. | \$1,975,100 | Project is complete. |

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| | Wildlife Conservation Board | | | |
| Mokelumne River Setback Levee and Habitat Restoration | RD 2110 | Construct a 3.4-mile levee set back approximately 400 feet from the existing levee. | \$365,000 | Project on hold. [TNC has purchased McCormack-Williamson Tract.] |

CALFED – September 1997 Solicitation

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|------------------------|---|----------------|---|
| Assessing Impacts of Selenium on Restoration of the Bay-Delta | U.S. Geological Survey | Three-year study evaluating selenium in the Bay-Delta to develop models useful for selenium management. | \$1,627,117 | Contract signed Aug-98. Amendment for \$358,117 approved 7/99. |
| Cache Slough Shaded Riverine Aquatic Habitat Enhancement | RD 2060 | First phase (design) funded. Design restoration for 2,000 feet of levee bank where erosion has removed shaded riverine aquatic habitat. | \$85,000 | Contract signed Jun-98. Topographic survey completed. |

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| Twitchell Island Subsidence Study | DWR USGS Nat. Heritage Inst. NW Hydraulic Consultants, Inc. Philip Williams & Associates, Ltd. | First phase funded. Design and construct three large restoration pilot projects, totaling 600 acres, on Twitchell Island. Develop technical design recommendations for a restoration program to raise the surface level of subsided Delta islands. | \$3,583,000 | Contract signed May-99. Project underway. |
| Culture of Delta Smelt | U.C. Davis | Establish a functional culture system to provide smelt embryos, larvae, juveniles, and adults for laboratory testing. | \$194,870 | Project is complete. Summary report available. |
| Cosumnes Floodplain Acquisition and Restoration | The Nature Conservancy | Acquisition of fee or easement interests on three properties (totaling 2,195 acres) contiguous to the Cosumnes River Preserve. | \$3,500,000 | Project is complete. Properties acquired Dec-98. |

CALFED – September 1997 Solicitation, cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
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| Delta Dredging Reuse Strategy <i>(Designated Action)</i> | CDFG RWQCB 5 DPC | Develop criteria for the Central Valley Regional Water Quality Control Board to permit reuse of material dredged in the Delta. | \$500,000 | Contracts signed. Technical Advisory Panel meeting regularly. |
| Adult Fall-Run Chinook Salmon in the Lower San Joaquin River and South Delta | CDFG | Monitor upstream movement of fall-run salmon in the lower San Joaquin River and South Delta. Determine whether the installation of three temporary barriers at the head of Old River or low dissolved oxygen content significantly impede upstream migration. | \$285,000 | Contract signed Jun-99. Field work nearly complete; data analysis beginning. |
| Cosumnes River Salmonid Barrier Program | Fishery Foundation of California | Install fish passage structures at two summer dams in the lower Cosumnes River. Upgrade fish ladders at Granlees Dam to current CDFG hydraulic specifications. | \$188,255 | Contract signed Mar-99. Permits obtained. Construction started Aug-00. |
| Hastings Tract Fish Screen, Phase II: Construction | Hastings Island Land Company | Place fish screens on gravity intake pipes, and relocate the pipes from Cache Slough to Lindsey Slough. | \$271,250 | Contract being drafted. |
| Rhode Island Floodplain Manage-ment and Habitat Restoration | CDFG | First phase (survey) funded. Survey conditions to determine specific improvement needs. Plan to improve fish and wildlife carrying capacity on the 67-acre island by increasing the width, height, and stability of the island's breached levees. | \$25,000 | Project complete. |

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| Stone Lakes National Wildlife Refuge Acquisitions | USFWS | Acquire fee title interest in 500-acre property. | \$2,622,500 | Additional \$500,000 awarded to USFWS for purchase in 11/99 and \$222,500 in 1/00. Property acquired Jul-00. |
| Fern-Headreach Tidal Perennial Aquatic and Shaded River Aquatic Conservation Project | Thomas Luckey | Exercise purchase option on the Fern-Headreach Island Complex, and commit the entire 168-acre complex to shallow water habitat (140 acres) and shaded riverine aquatic habitat (28 acres). | \$425,000 | Project complete. |
| Cosumnes River Acquisition, Restoration Planning, and Demonstration | TNC BLM WCB | Acquire fee title interest in a 300-acre property contiguous to the Cosumnes River Preserve. | \$750,000 | Contract signed May-99. Appraisal and contaminants survey complete. |
| Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watershed | U.C. Davis CDFG | Two-year study to determine baseline information regarding the green sturgeon's biological requirements in the watershed. | \$241,000 | Contract signed Mar-99. Project underway. |

CALFED – September 1997 Solicitation, cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
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| Watershed Restoration Strategy for the Yolo Bypass | Yolo Basin Foundation | Develop a local implementation strategy for environmental restoration in the Yolo Bypass. | \$244,188 | Contract signed Jun-99. Watershed work group is meeting regularly. |
| Lower Putah Creek Watershed Stewardship Plan | Solano County Dept. of Environmental Management. | Develop a community-based watershed plan for lower Putah Creek. | \$100,500 | Contract signed Mar-00. Project underway. |
| Lower Mokelumne River Watershed Stewardship Plan | San Joaquin County RCD | Develop a community-based watershed plan for the lower Mokelumne River. | \$159,000 | Contract signed Apr-99. Issues & Opportunities paper completed. |
| Traveling Film Festival | Independent Documentary Group | Package and distribute a six-film Traveling Festival about Bay and Delta habitats, wildlife, and restoration. | \$54,000 | Project complete. |
| Discover the Flyway | Yolo Basin Foundation | Two-year program to expand curriculum and activities for middle school and high school students, and expand trips and training sessions for the general public. | \$49,640 | Project complete. |
| Bay-Delta Environmental Restoration Education | Water Education | Provide outreach to increase understanding of Bay-Delta watershed ecology. | \$40,000 | Project complete. |

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| Program | Foundation | | | |
| Water Challenge 2010 | S.F. Bay Model Visitor Center Corps of Engineers | Traveling exhibit would allow visitors to manage Delta water for ecosystem restoration and other beneficial uses. Design phase funded. | \$64,500 | Project complete. |
| Developing a Methodology to Accurately Simulate the Entrainment of Fish | CDFG | Purchase or lease a barge, mount a pipe, pump, and flume to hold a sampling net on board the barge, and conduct sampling of one of DWR's agricultural diversion siphons on Sherman Island. | \$200,000 | Contract signed Dec-99. |

CALFED – February 1999 (Designated Actions)

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|------------------------------------|--------------|---|-----------|-------------------------|
| Prospect Island Monitoring Project | DWR | Establish a baseline to be used as a guide for development and implementation of future projects. Information would also be used for adaptive management. | \$915,000 | Contract being drafted. |

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| Cosumnes River Feasibility Study | Corps of Engineers The Nature Conservancy | Study will identify, design, and estimate costs for environmental restoration and flood damage reduction opportunities along the Cosumnes River. | \$400,000 | Working with Corps to refine Project Study Plan. |
| Mokelumne River Feasibility Study | Corps of Engineers East Bay MUD | Study will identify, design, and estimate costs for environmental restoration and flood damage reduction opportunities along the Mokelumne River. | \$400,000 | Working with Corps to refine Project Study Plan. |
| McCormack-Williamson Tract Acquisition | The Nature Conservancy | Acquire McCormack-Williamson Tract. | \$5,356,000 | Project complete. Property acquired Sept-99. |
| Restore Habitat on McCormack-Williamson Levees | The Nature Conservancy | Monitor riparian vegetation, wildlife, avian, and fish resources. | \$860,000 | Contract signed Aug-00. |
| Assessment of Ecological and Human Health Impacts of Mercury in the Bay-Delta Watershed | CSU San Jose | Studies will be undertaken to better understand information that will lead to the reduction of mercury in resident fish tissues to levels that are not harmful to humans or wildlife. | \$4,164,000 | Contract signed Sept-99. Amendment for \$364,000 approved 5/00. |

CALFED – April 1999 Solicitation

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|--|---|-------------|-------------------------|
| Develop Fish Screen Criteria for Native Sacramento-San Joaquin Watershed Fishes (Fish Treadmill Project) | U.C. Davis Hydraulics Lab | Evaluate performance and behavior of small Delta and upstream fishes in multi-vector flows near fish screens. Develop fish screen design, flow, and operational criteria that reduce impacts of diversions on these species. | \$847,690 | Contract signed Jan-00. |
| East Delta Habitat Corridor (Georgiana Slough) | Habitat Assessmt. & Restoration Team, Inc. | Builds upon previously-funded project (Tyler [pg. 3]). Improve habitat conditions along 14 miles of Georgiana Slough. (Enhance existing berms, restore and enhance tidal freshwater marsh, remove exotic vegetation from berms and replace with native species, expand monitoring program). | \$1,133,000 | Contract signed Nov-99. |
| Cosumnes-Mokelumne Paired Basin Studies (Linked Hydrogeo-morphic Ecosystem Models to Support Adaptive Management) | U.D. Davis Center For Integrated Watershed Science And Management | Develop a demonstration monitoring and assess-ment program for the Cosumnes and Mokelumne Rivers. Three-year study of five core areas: hydrology, geomorphology, water quality, aquatic resources, and data analysis/dissemination. Baseline info would be used to test and validate models guiding long-term monitoring program. | \$1,592,396 | Contract signed Jan-00. |

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| Chronic Toxicity of Environmental Contaminants in Sacramento Splittail: A Biomarker Approach | U.D. Davis Dept. Of Animal Science | Measure four biological indicators (contaminant exposure, general condition indices, organ & reproductive dysfunction, and individual-level response) to evaluate the chronic effects of contaminants (mercury, selenium, diazinon, organochlorine pesticides) on the health of splittail. | \$693,895 | Contract signed Jan-00. |
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CALFED – April 1999 Solicitation, cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|--|------------------------|--|-------------|--|
| Dissolved Organic Carbon (DOC) Release from Delta Wetlands, Part I | U.S. Geological Survey | Study will characterize the concentration of DOC released from different wetland types within the Delta and by agricultural activity. Data will address incorporation of organic carbon into Delta food web as well as health concerns associated with drinking water quality. | \$1,434,449 | Contract signed Aug-00. Project underway. |
| Evaluation of the Potential Impacts of the Chinese Mitten Crab on the Benthic Community in the Delta | DWR | Evaluate how the downstream migration of adult mitten crabs impacts the food webs of the Delta and northern estuary. | \$152,233 | Contract signed Dec-99. Project underway. |

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| Purple Loosestrife Prevention, Detection, and Control Action for the Delta | CA Dept. of Food and Agriculture | Three-year project would detect and eradicate the small but spreading purple loosestrife infestations in the Delta and nearby hydrologic units. (Part of this project [\$201,306] was funded as a Nonnative Invasive Species Designated Action in July 1999; the remainder of the cost is covered here.) | \$127,473 | Contract signed Oct-99. |
| Water Challenge 2010 Exhibit | Corps of Engineers S.F. Bay Model Visitor Center | Construction and installation of hands-on exhibit allowing users to apportion water from one large tank into three smaller tanks (representing the needs of agriculture, cities, and the environment). | \$52,015 | Contract signed Dec-99. |
| Traveling Film Festival Exhibit | Independent Documentary Group | Expand film exhibit in the Bay Area, as well as into Sacramento and other locales in the Central Valley and North Delta. | \$51,500 | Contract signed Dec-99. |
| Assessment of Pesticide Effects on Fish and Their Food Resources in the Delta | U.C. Berkeley | Three-year laboratory and field study to provide info on pesticide toxicity to resident species. Results would be put into an ecological context focusing on juvenile chinook and their prey. | \$1,586,894 | Scope approved; waiting for invoicing resolution. Contract amendment for \$119,776 approved Feb-01. |

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| Determination of the Causes of Dissolved Oxygen Depletion in the San Joaquin River | DWR | Develop database on source loads of oxygen-depleting substances, collect additional field data, and fill data gaps in existing models. Develop a management plan to eliminate dissolved oxygen depletion in the lower San Joaquin River during the fall. This is a three-year study. | \$892,400 | Contract signed May-00. |
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CALFED – July 1999 (Designated Actions)

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|----------------------------|--|----------------|--------------------------|
| Inundation of a Section of the Yolo Bypass to Restore Sacramento Splittail and Other Native Species | Natural Heritage Institute | First phase (baseline monitoring, alternatives analysis, and design) funded. Pilot project will inundate a portion of the Yolo Bypass, on about 5,000 acres along its eastern edge. | \$912,309 | Contract signed Sept-99. |
| Nonnative Invasive Species (NIS) Advisory Council | USFWS | Establish a NIS Advisory Council to monitor and coordinate the efforts of the NIS program, and address issues requiring the commitment of agencies with existing NIS responsibilities. | \$50,000 | Draft MOU under review. |

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| Reducing the Risk of Importation and Distribution of Nonnative Invasive Species (NIS) Through Outreach and Education | U.C. Davis | Prevent future introductions by educating industries and representatives of adverse impacts of releasing NIS into the environment. Outreach will be through a series of workshops, public service announcements, and development of a video, brochure, and a NIS website. | \$105,466 | Contract signed May-00. Project underway. |
| Zebra Mussel Detection and Outreach Program | DWR | Three-year project would educate the public about zebra mussels, and establish and operate an early detection system in the Central Valley, Bay-Delta, and water storage/delivery systems. | \$100,000 | Contract being drafted. |
| Purple Loosestrife Prevention, Detection, and Control in the Delta and Associated Hydrologic Units | CA Dept. of Food and Agriculture | Three-year project would detect and eradicate the small but spreading purple loosestrife infestations in the Delta and nearby hydrologic units. | \$201,306 | Brochure complete, GIS map complete, presentations and training ongoing. |
| Guidebook to Prevent and Control Nonnative Invasive Plants in Shallow Water Habitats of the Bay-Delta | San Francisco Estuary Institute | Guidebook would provide information for local control of the highest priority species of non-native plants in shallow water habitats. | \$76,750 | Contract being drafted. Scope of services being prepared. |
| Effects of Introduced Clams on the Food Supply of Bay-Delta Fisheries | CSU San Francisco | Study how the introduced Asian clam has altered the feeding environments of native fish. Provide a detailed description of the status of the food web and likely impediments to rehabilitation. | \$100,490 | Contract signed May-00. Project underway. |

CALFED – November 1999 (FY 2000 projects chosen from proposals submitted in the Apr-99 solicitation)

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|---------------------|--|----------------|-------------------------|
| Canal Ranch Habitat Restoration, Phase II | CDFG | Ground truthing of Conceptual Habitat Mgt. Plan (June 1996) with survey data from Phase I. Incorporate results into Feasibility Level HMP, to include restoration of native vegetation, development of seasonal wetlands, and provision of public hunting and educational opportunities. | \$135,940 | Contract signed Jul-00. |
| Culture of Delta Smelt, Phases II and III (see pg. 4) | U.C. Davis | Spawning and rearing of larval smelt, using culture system developed during Phase I. Evaluate parameters of temperature and rearing-tank size on smelt performance. | \$576,229 | Contract being drafted. |
| Liberty Island Acquisition and Restoration, Phase I (see pg. 3) | USFWS | Purchase the two remaining privately-owned properties on Liberty Island (181+268 acres), conduct restoration planning for Liberty Island, implement restoration and monitoring plans. | \$2,623,043 | Contract signed Jul-00. |
| McCormack-Williamson Tract Phase II Restoration Planning | DWR | Design and environmental documentation for McCormack-Williamson Tract restoration project. | \$365,650 | Contract signed Jul-00. |

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| McCormack-Williamson Tract Phase II Monitoring Program (see above) | U.C. Davis | Conduct historic research and baseline studies necessary for restoration planning and development of monitoring program for project. | \$572,886 | Contract signed Jul-00. |
| Dissolved Organic Carbon Release from Delta Wetlands, Part II (see pg. 8) | U.S. Geological Survey | Part I focused on quality of organic carbon (OC) released from wetlands. Part II will examine amounts of OC released from wetlands and ag operations; include management strategy to limit introduction of OC into Delta channels. | \$1,030,000 | Contract signed Aug-00. |
| Biological Assessment of Green Sturgeon, Phase II (see pg. 6) | U.C. Davis | Continuation of previously-funded study to obtain baseline information on green sturgeons' biological requirements in the watershed. | \$205,013 | Contract being drafted. |

CALFED – April 2000 Solicitation (approved in January 2001)

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|--|------------------------|--|----------------|-------------------------|
| Staten Island Acquisition | The Nature Conservancy | Acquire 9,200-acre Staten Island. | \$35,110,873 | Contract being drafted. |
| Cosumnes-Mokelumne Corridor Floodplain Acquisitions, Management, | The Nature Conservancy | Acquisition of fee and easement interest in one or more properties in the Cosumnes and Mokelumne floodplains, totaling | \$3,044,342 | Contract being drafted. |

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| and Restoration Planning (Phase I: Start-up Stewardship, Baseline Monitoring, and Initial Planning) | | approximately 600 acres, to be incorporated into the non-structural flood management practices of the Cosumnes River Preserve. | | |
| Demonstration Project for the Protection and Enhancement of In-Channel Islands (Phase II: Construction and Monitoring) (see pg. 3) | Association of Bay Area Governments | Complete ongoing pilot project to demonstrate biotechnical erosion control methods to protect Delta in-channel islands from further erosion and facilitate sediment accretion around island perimeters. Three demonstration sites, two in-channel islands surrounding Webb Tract and Little Tinsley Island south of Empire Tract, will be constructed. | \$928,150 | Contract being drafted. |
| Fay Island Restoration Project (Phase I: Acquisition) | CDFG | Acquisition, restoration feasibility studies, and development of a restoration plan for 98-acre Fay Island and adjacent 17-acre in-channel island. | \$744,148 | Contract being drafted. |
| Feasibility Study: Ecosystem and Water Quality Benefits Associated with Restoration of Franks Tract, Big Break, and Lower Sherman Lake Levees | DWR | Evaluate the potential of creating ecosystem, water quality and supply, recreation, and other benefits by modifying remnant levees to inhibit salt trapping and restoring tidal marsh habitat. Gather data and define a baseline, develop and calibrate a model, evaluate alternative restoration concepts, and prepare a feasibility study report. | \$1,218,105 | Contract being drafted. |

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| Yolo Bypass Management Strategy, Phase II (see pg. 6) | Yolo Basin Foundation | Continue Yolo Bypass Working Group meetings and analyze the issue of fair market compensation for potential ecological enhancement land use changes in the Bypass. | \$210,000 | Contract being drafted. |
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CALFED – April 2000 Solicitation (approved in January 2001), cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|---|---|-------------|-------------------------|
| Influence of Flood Regimes, Vegetative, and Geomorphic Structures on the Links Between Aquatic and Terrestrial Systems (see pg. 8: Cosumnes-Mokelumne Paired Basin Studies) | U.C. Davis Center for Integrated Watershed Science and Management | Augmentation of "Paired Basin Studies", which has yielded a program incorporating geology, hydrology, water quality, and wildlife biology into the study of linkages between river systems and aquatic ecology. This grant would bring in researchers from other disciplines (food web ecology, avian ecology, and riparian vegetation) to improve understanding of linkages. | \$2,521,236 | Contract being drafted. |
| Food Resources for Zooplankton in the Delta | U.C. Davis | Assess the quantity and quality of food resources for copepods in various habitats of the Delta. Provide information and make recommendations about how different habitats support zooplankton and maximize energy transfer to fish through field sampling and lab and field experiments. Sampling sites include Sacramento River at | \$576,422 | Contract being drafted. |

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| | | Rio Vista, San Joaquin River at Twitchell, Mildred Island, Paradise Cut, Yolo Bypass, and Cosumnes River floodplains. | | |
| Juvenile Salmon Migratory Behavior in the North, Central, and South Delta | Natural Resource Scientists, Inc. | Conduct an investigation on juvenile salmon migratory behavior in the North, Central, and South Delta. Juvenile chinook would be fitted with radio transmitters, released at specific Delta locations, and monitored to determine individual behavior patterns. | \$210,000 | Contract being drafted. |
| Use of the Delta for Rearing by Central Valley Chinook Salmon | CDFG | Conduct research targeting the role of the Delta in chinook salmon life history. Identify how salmon use the Delta, the Delta's relationship to conditions in natal upstream areas, and the relative success of salmon compared to how they use the Delta under varying conditions. | \$518,777 | Contract being drafted. |
| Transport, Transformation, and Effects of Selenium and Carbon in the Delta: Implications for Ecosystem Restoration (see pg. 4) | USGS | Study selenium and carbon cycle in the Delta, incorporating use of the hydronamic model developed under previous grant. Determine how transport and transformation of selenium will affect Delta food webs. | \$641,362 | Contract being drafted. |

CALFED – April 2000 Solicitation (approved in January 2001), cont.

| TITLE | APPLICANT(S) | DESCRIPTION | FUNDING | STATUS |
|---|------------------------------------|---|-------------|-------------------------|
| Biological Assessment of Green Sturgeon in the Sacramento-San Joaquin Watershed, Phase III (see pgs. 5 and 11) | U.C. Davis | Continuation of previous studies. Determine: green sturgeon environmental tolerance limits, behavioral tendencies, and stress responses; reproductive characteristics and temperature influence on development; genetic techniques to distinguish green sturgeon from white sturgeon at early life stages; and movement in the Delta. | \$641,362 | Contract being drafted. |
| Sedimentation in the Delta and Suisun Bay, Phase II (see pg. 3) | USGS | Continuation of previous study. Differentiate sedimentation between dry and normal years, document sediment-transport effects of restoration activities, test geomorphic hypotheses, and improve conceptual model of Delta sedimentation. | \$1,367,684 | Contract being drafted. |
| Watershed Stewardship in Marsh Creek (Brentwood/Oakley area) | Natural Heritage Institute | Organize a community-based watershed group for Marsh Creek. Collect baseline data and generate a watershed map; establish community-based watershed monitoring program. | \$126,000 | Contract being drafted. |
| Kirker Creek Watershed CRMP Program (Eastern Pittsburg area) | Contra Costa Resource Conservation | Facilitate, coordinate, and support efforts of landowners, municipalities, community organizations, and industries of the watershed to develop and write a management plan, using the Coordinated Resource Management and Planning | \$198,450 | Contract being drafted. |

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| | District | (CRMP) process. | | |
| Discover the Flyway II (see pg. 6) | Yolo Basin Foundation | Expand teacher training opportunities and provide additional educational programs for volunteers and the general public. | \$197,987 | Contract being drafted. |
| Bay-Delta Learning Initiative | Water Education Foundation | Produce and distribute Non-native Invasive Species posters to boaters and anglers; expand Journalist Tour and Bay-Delta Briefing; and provide curriculum materials to K-12 th teachers. | \$126,668 | Contract being drafted. |
| Adopt-A-Watershed Leadership Institute | Adopt-A-Watershed | Send ten new leadership teams to the Leadership Institute each year for three years. One of the teams participating during the first year is the San Joaquin County Office of Education in Stockton. | \$592,884 | Contract being drafted. |
| Delta Studies Program: San Joaquin County Schools | San Joaquin County Office of Education | Implement a Delta Studies Program, focusing on aquatic and terrestrial habitats and ecological functions of the Delta. | \$306,291 | Contract being drafted. |

CALFED – April 2000 Solicitation (approved in January 2001), cont.